NSWC REPEAT TDP&V6 OVERVIEW BRIEF 2003

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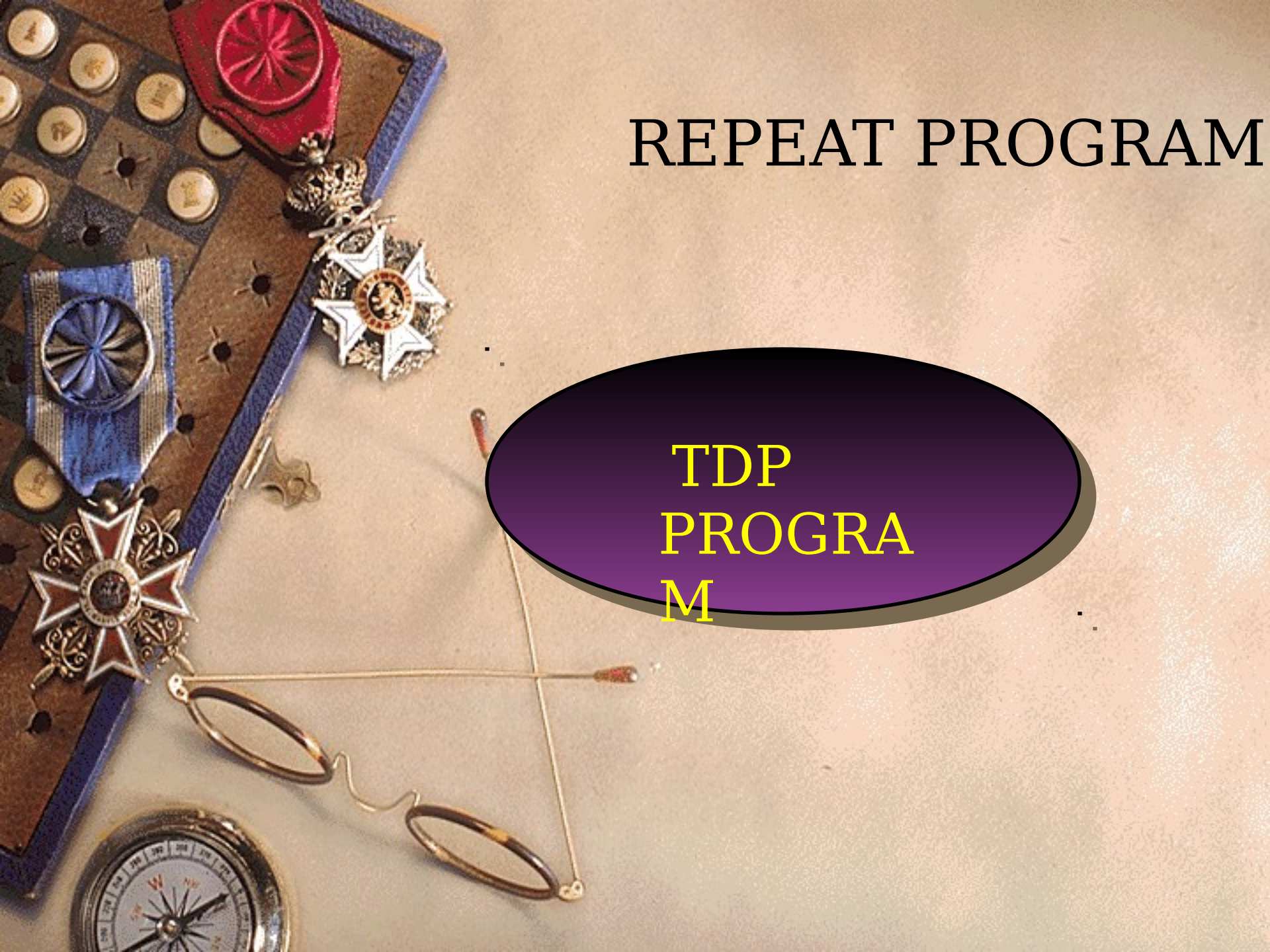
TDP & V6 FUNCTIONS

- RECORDING & REPLAYING
  - RECORD/REPLAY OPERATIONAL/EXERCISE DATA
- DATA REDUCTION AND DATA BASES
  - PREPARING DATA FOR ANALYSIS
  - CONVERSION OF DATA BETWEEN FORMATS
- ANALYSIS AND EVALUATION
  - SUPPORT TESTING/ EXERCISE ANALYSIS

EMULATION PROGRAMS

- TDP EMULATOR
  - EMULATES GCCS/TWCS TALKING WITH A V6 COMMUNICATION PROCESSOR INCLUDING PROPER BINARY PROTOCOL
- V6 EMULATOR
  - EMULATES THE V6

REPEAT PROGRAM



TDP REPLAY STIMULATION

- RE-CREATION OF PREVIOUSLY RECORDED EVENTS
  - REPLAY FUNCTIONS OF XR PROGRAM
- INJECTION OF SYNTHETIC DATA TO C^4 PROCESSORS
  - OPERATOR SELECTABLE SPEED AND PACE
- CAN CONTROL DATA FLOW IN REPLAY MODE
  - SUPPORTS CONTROLLED TESTING

TDP SETTING IO PORT

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\TDP EMMULATION.lnk

TDP Version 2003	Status Display	IDLE	IDLE	00/00:02:31

3 DIGIT/8 BIT SID COMMUNICATIONS

V6 Status

Net	UNKNOWN
Net mode	N/A
SID	0
EMCON	INACTIVE
Nonaddee rpt	DISABLE
Discrepency rpt	DISABLE
SSIXS rcv	DISABLE
Nc receive rpt	DISABLE
Xmit control	V6
Rcv queue	EMPTY
Xmt flash	0
Xmt immed	0
Net Control Time	00:00
Last Update	00/00:00:00

V6 Q

Frame Transfer Status

Frames	Rcv	Xmt
Reset	0	9
System	0	0
Info	0	15
Ack	0	0
Nack	0	0
Total	0	15

Communications Config

I/O Addr	Intr/Line
3F8	4

* * DOD CONTROLLED SOFTWARE - UNAUTHORIZED USE OR DISTRIBUTION PROHIBITED * *

Enter I/O port address(in hex) or DCP:

Auto Cm Cp Cr Cx Da Dc Dr Ds Dx Help Quit Reset Rcv Shift Stop Time Vr Vx Xmit

TDP EXECUTION

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\TDP EMMULATION.lnk

TDP Version 2003	Status Display	IDLE	IDLE	00/00:00:13

3 DIGIT/8 BIT SID COMMUNICATIONS

V6 Status

Net	UNKNOWN
Net mode	N/A
SID	0
EMCON	INACTIVE
Nonaddee rpt	DISABLE
Discrepency rpt	DISABLE
SSIXS rcv	DISABLE
Nc receive rpt	DISABLE
Xmit control	V6
Rcv queue	EMPTY
Xmt flash	0
Xmt immed	0
Net Control Time	00:00
Last Update	00/00:00:00

V6 Q

Frame Transfer Status

Frames	Rcv	Xmt
Reset	0	0
System	0	0
Info	0	2
Ack	0	0
Nack	0	0
Total	0	2

Communications Config

I/O Addr	Intr/Line
3F8	4

* * DOD CONTROLLED SOFTWARE - UNAUTHORIZED USE OR DISTRIBUTION PROHIBITED * *

Command:_

Auto Cm Cp Cr Cx Da Dc Dr Ds Dx Help Quit Reset Rcv Shift Stop Time Vr Vx Xmit

TDP CONFIGURE XMIT/RCV

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\TDP EMMULATION.lnk

TDP Version 2003	Configuration Display	IDLE	IDLE	00/00:17:43

3 DIGIT/8 BIT SID COMMUNICATIONS

Xmit Setup

File	CSALL12.TDF
Net Flag	N/A
Format Number	FILE
Precedence	IMMEDIATE
Printable	NO
Starting MSN	1001
Addee 1:	222
Addee 2:	222
Addee 3:	222
Addee 4:	222
Addee 5:	222
Rqst Ack Sid:	N/A

Rcv Setup

File	RCVDATA
Xmit Acks	NO

AUTO Format Search Table

Format	String
3	NARR/OPNOTE

Send ACKs (Y/N):

Enable ACK transmission for messages received.

TDP TRANSMIT QUEUE

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\TDP EMMULATION.lnk

TDP Version 2003	Transmit Display	IDLE	IDLE	00/00:18:43

3 DIGIT/8 BIT SID COMMUNICATIONS

V6 Q

Message Transfer Queue

MSN TDP	MSN V6	Scheduled	P	F	1st Add	Transmit Time Actual	Transmit Time TDP ACK	ACK SID	Transmit Status
4162	----	12/16:00:00	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4163	----	12/16:00:00	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4164	----	12/16:00:07	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4165	----	12/16:00:11	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4166	----	12/16:00:17	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4167	----	12/16:00:24	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4168	----	12/16:00:25	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4169	----	12/16:00:26	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4170	----	12/16:00:32	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4171	----	12/16:06:00	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4172	----	12/16:06:00	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4173	----	12/16:06:01	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4174	----	12/16:09:00	0	B	222	--/--:--:--	--/--:--:--	----	PENDING

Command:_

Auto Cm Cp Cr Cx Da Dc Dr Ds Dx Help Quit Reset Rcv Shift Stop Time Vr Vx Xmit

TDP TIME SET

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\TDP EMMULATION.lnk

TDP Version 2003	Transmit Display	IDLE	IDLE	12/15:55:18

3 DIGIT/8 BIT SID COMMUNICATIONS

V6 Q

Message Transfer Queue

MSN TDP	V6	Scheduled	P	F	1st Add	Transmit Time Actual	TDP ACK	ACK SID	Transmit Status
4162	----	12/16:00:00	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4163	----	12/16:00:00	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4164	----	12/16:00:07	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4165	----	12/16:00:11	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4166	----	12/16:00:17	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4167	----	12/16:00:24	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4168	----	12/16:00:25	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4169	----	12/16:00:26	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4170	----	12/16:00:32	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4171	----	12/16:06:00	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4172	----	12/16:06:00	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4173	----	12/16:06:01	0	B	222	--/--:--:--	--/--:--:--	----	PENDING
4174	----	12/16:09:00	0	B	222	--/--:--:--	--/--:--:--	----	PENDING

Command:TI 12/1554

Auto Cm Cp Cr Cx Da Dc Dr Ds Dx Help Quit Reset Rcv Shift Stop Time Vr Vx Xmit

TDP RECEIVE QUEUE

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\TDP EMMULATION.lnk

TDP Version 2003	Receive Display	IDLE	IDLE	12/15:56:47

3 DIGIT/8 BIT SID COMMUNICATIONS

Message Receive Queue

V6-MSN-TDP	SID	TOR	ADDEES	P TYPE

Command:

Auto Cm Cp Cr Cx Da Dc Dr Ds Dx Help Quit Reset Rcv Shift Stop Time Vr Vx Xmit

TDP VIEW XMIT/RCV

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\TDP EMMULATION.lnk

TDP Version 2003	View of Xmit File	IDLE	IDLE	12/16:42:34

```
12/16:00:00.00 ZNR UUUUUF
12/16:00:00.00 O 121600Z MAY 03F
12/16:00:00.00 FM JWID 03F
12/16:00:00.00 TO CAMP SMITH GCCSF
12/16:00:00.00 BTF
12/16:00:00.00 UNCLASF
12/16:00:00.00 MSGID/FIX ENEMY 1/JUNIT/0001/MAY/JWID 03F
12/16:00:00.10 JUNIT/T0032/SA 10 103/SAM/BTY/ARM/SAM/SD/24///RPT000000032/3F
12/16:00:00.10 JPOS/121550Z4/MAY/332924.24S9/1434730.17E0/OTH/186.3T/1NM/1NM/0T/
12/16:00:00.20 JUNIT/T0032/SA 10 103/SAM/BTY/ARM/SAM/SD/24///RPT000000032/3F
12/16:00:00.30 JPOS/121550Z4/MAY/332837.2S8/1434710.14E5/OTH/291.8T/1NM/1NM/0T/0
12/16:00:00.40 ENDAT/DECL OADRF
12/16:00:00.40 BTF
12/16:00:00.40 ooooooooNNNNF
12/16:00:00.60 ZNR UUUUUF
12/16:00:00.60 O 121600Z MAY 03F
12/16:00:00.60 FM JWID 03F
12/16:00:00.60 TO CAMP SMITH GCCSF
12/16:00:00.60 BTF
12/16:00:00.60 UNCLASF
Command:
Display Goto Eol High Unhigh Search Usl Print Format Margin Td Exit [Alt-N]
```

TDP NO TIME VIEW XMIT

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\TDP EMMULATION.lnk

TDP Version 2003	View of Xmit File	IDLE	IDLE	12/16:44:00

```
ZNR UUUUU
O 121600Z MAY 03
FM JWID 03
TO CAMP SMITH GCCS
BT
UNCLAS
MSGID/FIX ENEMY 1/JUNIT/0001/MAY/JWID 03
JUNIT/T0032/SA 10 103/SAM/BTY/ARM/SAM/SD/24///RPT000000032/3
JPOS/121550Z4/MAY/332924.24S9/1434730.17E0/OTH/186.3T/1NM/1NM/0T/0K
JUNIT/T0032/SA 10 103/SAM/BTY/ARM/SAM/SD/24///RPT000000032/3
JPOS/121550Z4/MAY/332837.2S8/1434710.14E5/OTH/291.8T/1NM/1NM/0T/0K
ENDAT/DECL OADR
BT
[redacted]NNNN
ZNR UUUUU
O 121600Z MAY 03
FM JWID 03
TO CAMP SMITH GCCS
BT
UNCLAS
```

Command:

Display Goto Eol High Unhigh Search Usl Print Format Margin Td Exit [Alt-N]

TDP HELP INDEX

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\TDP EMMULATION.lnk

TDP Version 2003	Help Display	IDLE	IDLE	12/17:29:46

T D P H E L P I N D E X

TDP Operation

TDP Commands

OTXFM Message Header

Message Format Types

Command:HELP_

Auto Cm Cp Cr Cx Da Dc Dr Ds Dx Help Quit Reset Rcv Shift Stop Time Vr Vx Xmit

TDP HELP SETUP

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\TDP EMMULATION.lnk

TDP Version 2003	Help Display	IDLE	IDLE	12/17:31:05

TDP OPERATION:

1) The REPEAT EDITOR program must be used to edit or create a file to transmit to the V6. The file must be saved using the 'TDP' keyword where the ENTER MESSAGE RANGE prompt appears in the FILE command. Note that no special formatting is performed on the messages that are filed and that 4800 baud, ASCII format should be used in most cases. Filing in this fashion creates a special file with the extension '.NDX' which is required when a file is specified in the TDP program.

2) Once a file is prepared for transmit, the (V)6 should be physically connected to the repeat via the appropriate communications lines. Pin 2 (transmit), pin 3 (receive) and pin 7 (ground) designate the necessary communication lines. Note that a MIL-188 to RS-232 level converter should be used between the REPEAT and the (V)6. No converter is required when communicating with a GFCP.

3) Invoke the TDP program by entering TDP [enter] at the DOS prompt.

Main Operation Page 2

Command:HELP

Auto Cm Cp Cr Cx Da Dc Dr Ds Dx Help Quit Reset Rcv Shift Stop Time Vr Vx Xmit

TDP HELP KEY COMMANDS

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\TDP EMMULATION.lnk

TDP Version 2003	Help Display	IDLE	IDLE	12/17:32:00

TDP COMMANDS:

Each command in the TDP program is displayed on the bottom row of the screen. Commands are entered by entering the first two letters of the command name followed by any required parameters. The command and subsequent paramaters are seperated by a space. The following commands are available:

Cm	Configure mode	Mode	Sets the V(6) mode
Cp	Configure port	Quit	Exits the TDP program
Cr	Configures rcv parameters	Rcv	Initiates receive storage
Cx	Configures xmit parameters	Send	Send test protocol
Da	Displays Auxilary Xmit screen	Shift	Changes the transmit times
Dc	Displays configuration screen	Stop	Stops file transmit/receive
Dr	Displays receive log	Time	Sets the system time
Ds	Displays V6 and Frame status	Vr	Displays Receive messages
Dx	Displays the transmit log	Vx	Displays transmit messages
Help	Invokes the HELP facility	Xmit	Sends a file to the V(6)

Main

Command:HELP_

Auto Cm Cp Cr Cx Da Dc Dr Ds Dx Help Quit Reset Rcv Shift Stop Time Vr Vx Xmit

TDP HELP KEY COMMAND EXP

C:\Documents and Settings\All Users\Desktop\[illegible]\Classic\TDP EMMULATION.lnk

TDP Version 2003	Help Display	IDLE	IDLE	12/17:32:44

CM COMMAND

Purpose: To configure the TDP program to communicate in 3 or 4 digit mode.

Operator entry: CM [enter]

Entry	Description
CM 3	Puts the TDP communications in 3 DIGIT mode.
CM 4	Puts the TDP communications in 4 DIGIT mode.

The current communications setting are displayed on the lower right portion or the Status Display screen.

Main

Command:HELP

Auto Cm Cp Cr Cx Da Dc Dr Ds Dx Help Quit Reset Rcv Shift Stop Time Vr Vx Xmit

TDP HELP EXAMPLE HEADER

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\TDP EMMULATION.lnk

TDP Version 2003	Help Display	IDLE	IDLE	12/17:33:38

OTXFM Message Header

Note: This is not a TDP command but is an example of format headers built in the REPEAT Editor or from the STRIP programs. The 3 and 4 digit sid formats have the same header format.

These format headers will be stripped from the files when a message is transmitted. The data contained in the header will be used in the encoded protocol used between the V6 and a TDP.

OTXFM:0012<CR><CR><LF>
TO:0013,0014,0015,0016,0101<CR><CR><LF>
TDP MSN:1000<CR><CR><LF>
V6 MSN:7001<CR><CR><LF>
TYPE:22<CR><CR><LF>
PRECEDENCE:O<CR><CR><LF>
TEXT:Y<CR><CR><LF>
NET:OTCIXS DATA<CR><CR><LF> (This line is optional)
ERR:OKAY<CR><CR><LF>

Main

Command:HELP

Auto Cm Cp Cr Cx Da Dc Dr Ds Dx Help Quit Reset Rcv Shift Stop Time Vr Vx Xmit

TDP HELP OTCIXS MSG TYPES

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\TDP EMMULATION.lnk

TDP Version 2003	Help Display	IDLE	IDLE	12/17:34:37

2/3 DIGIT	4 DIGIT	FORMATS
00	20	ACK/NAK
01	21	MISSION DATA
02	22	OTG CONTACT REPORT
03	23	OTG OPNOTE
04	24	MISSION FOLDER UPDATE DATA
05	25	SPECIAL MISSION DATA TYPE 1
06	26	SPECIAL MISSION DATA TYPE 2
07	27	SPECIAL MISSION DATA TYPE 3
08	28	OTG PIM TRACK
09	29	FUTURE GROWTH
0A	2A	SPECIAL BROADCAST
0B	2B	GPS ALMANAC DATA
0C	2C	OTG FOTC SITUATION REPORTS
0D	2D	ROTHR SPECIAL REPORTS
0E	2E	OTG OVERLAY 1
0F	2F	OTG OVERLAY 2

List continued on Message Formats Cont screen. Main

Command:HELP

Auto Cm Cp Cr Cx Da Dc Dr Ds Dx Help Quit Reset Rcv Shift Stop Time Vr Vx Xmit

TDP HELP MSG TYPE CONT

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\TDP EMMULATION.lnk

TDP Version 2003	Help Display	IDLE	IDLE	12/17:35:27

2/3 DIGIT	4 DIGIT	FORMATS
10	30	EWRL
11	31	OTG SATELLITE
12	32	OTG GRIDDED FIELD
13	33	OTG AREA OF INTEREST FILTER
14	34	OTG GROUP TRACK
15	35	OTG QUERY/REPLY
16	36	FUTURE GROWTH
17	37	USMTF MESSAGES
18	38	OTG FORMATION
19	39	USMTF LOCATOR
1A	3A	ATO COMPRESSED
1B	3B	FUTURE GROWTH
1C	3C	USMTF TACELINT
1D	3D	SUB DATA
1E	3E	OTG DEVELOPMENTAL
1F	3F	NON OTG DEVELOPMENTAL

Continued from Message Format Types Screen Main

Command:HELP_

Auto Cm Cp Cr Cx Da Dc Dr Ds Dx Help Quit Reset Rcv Shift Stop Time Vr Vx Xmit

REPEAT PROGRAM

V6 EXECUTION

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\V6 EMMULATION.lnk

V6 Version 2003	Status Display	IDLE	IDLE	00/00:00:20

3 DIGIT/8 BIT SID COMMUNICATIONS

Communications Config

I/O Addr	Intr/Line
3F8	4

Frame Transfer Status

Frames	Rcv	Xmt
Reset	0	9
System	0	0
Info	0	13
Ack	0	0
Nak	0	0
Total	0	12

* * DOD CONTROLLED SOFTWARE - UNAUTHORIZED USE OR DISTRIBUTION PROHIBITED * *

Command:

Cm Cp Cr Cx Da Dc Dr Ds Dx Help Quit Reset Rcv Shift Stop Time Vr Vx Xmit

V6 CONFIGURATION

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\V6 EMMULATION.lnk

V6 Version 2003	Configuration Display	IDLE	IDLE	00/00:04:58

3 DIGIT/8 BIT SID COMMUNICATIONS

Xmit Setup

File	CSALL12.TDF
SID	123
Starting V6 MSN	7001
Net Flag	N/A
Ack SID	N/A

Rcv Setup

File	CX
Xmit ACKs	NO

Command:

Cm Cp Cr Cx Da Dc Dr Ds Dx Help Quit Reset Rcv Shift Stop Time Vr Vx Xmit

V6 DISPLAY TRANSMIT

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\V6 EMMULATION.lnk

V6 Version 2003	Transmit Display	IDLE	IDLE	00/00:06:09

3 DIGIT/8 BIT SID COMMUNICATIONS

Message Transfer Queue (To TDP)

TDP MSN	From SID	Address List					P	FMT	TxT	Transmit Time Scheduled	Actual	Transmit Status
4162	200	155	0	0	0	0	0	0B	Y	12/16:00:00	--/--:--:--	PENDING
4163	200	155	0	0	0	0	0	0B	Y	12/16:00:00	--/--:--:--	PENDING
4164	200	155	0	0	0	0	0	0B	Y	12/16:00:07	--/--:--:--	PENDING
4165	200	155	0	0	0	0	0	0B	Y	12/16:00:11	--/--:--:--	PENDING
4166	200	155	0	0	0	0	0	0B	Y	12/16:00:17	--/--:--:--	PENDING
4167	200	155	0	0	0	0	0	0B	Y	12/16:00:24	--/--:--:--	PENDING
4168	200	155	0	0	0	0	0	0B	Y	12/16:00:25	--/--:--:--	PENDING
4169	200	155	0	0	0	0	0	0B	Y	12/16:00:26	--/--:--:--	PENDING
4170	200	155	0	0	0	0	0	0B	Y	12/16:00:32	--/--:--:--	PENDING
4171	200	155	0	0	0	0	0	0B	Y	12/16:06:00	--/--:--:--	PENDING
4172	200	155	0	0	0	0	0	0B	Y	12/16:06:00	--/--:--:--	PENDING
4173	200	155	0	0	0	0	0	0B	Y	12/16:06:01	--/--:--:--	PENDING
4174	200	155	0	0	0	0	0	0B	Y	12/16:09:00	--/--:--:--	PENDING

Command:_

Cm Cp Cr Cx Da Dc Dr Ds Dx Help Quit Reset Rcv Shift Stop Time Vr Vx Xmit

V6 AUXILIARY TRANSMIT

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\V6 EMMULATION.lnk

V6 Version 2003	Auxiliary Xmt Display	IDLE	IDLE	00/00:06:41

3 DIGIT/8 BIT SID COMMUNICATIONS

Message Transfer Queue (To TDP)

TDP MSN	From SID	Address List	P	FMT	TxT	Transmit Time Scheduled	Actual	Transmit Status

Command:_

Cm Cp Cr Cx Da Dc Dr Ds Dx Help Quit Reset Rcv Shift Stop Time Vr Vx Xmit

V6 DISPLAY RECEIVE

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\V6 EMMULATION.lnk

V6 Version 2003	Receive Display	IDLE	IDLE	00/00:10:12

3 DIGIT/8 BIT SID COMMUNICATIONS

Message Receive Queue

MSN	SID	TOR	ADDEES	P Type

Command:

Cm Cp Cr Cx Da Dc Dr Ds Dx Help Quit Reset Rcv Shift Stop Time Vr Vx Xmit

V6 VIEW XMIT/RCV

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\V6 EMMULATION.lnk

V6 Version 2003	View of Xmit File	IDLE	IDLE	00/00:13:21

```
12/16:00:00.00 ZNR UUUUU
12/16:00:00.00 O 121600Z MAY 03
12/16:00:00.00 FM JWID 03
12/16:00:00.00 TO CAMP SMITH GCCS
12/16:00:00.00 BT
12/16:00:00.00 UNCLAS
12/16:00:00.00 MSGID/FIX ENEMY 1/JUNIT/0001/MAY/JWID 03
12/16:00:00.10 JUNIT/T0032/SA 10 103/SAM/BTY/ARM/SAM/SD/24///RPT000000032/3
12/16:00:00.10 JPOS/12155OZ4/MAY/332924.24S9/1434730.17E0/OTH/186.3T/1NM/1NM/0T/
12/16:00:00.20 JUNIT/T0032/SA 10 103/SAM/BTY/ARM/SAM/SD/24///RPT000000032/3
12/16:00:00.30 JPOS/12155OZ4/MAY/332837.2S8/1434710.14E5/OTH/291.8T/1NM/1NM/0T/0
12/16:00:00.40 ENDAT/DECL OADR
12/16:00:00.40 BT
12/16:00:00.40 ooooooooNNNN
12/16:00:00.60 ZNR UUUUU
12/16:00:00.60 O 121600Z MAY 03
12/16:00:00.60 FM JWID 03
12/16:00:00.60 TO CAMP SMITH GCCS
12/16:00:00.60 BT
12/16:00:00.60 UNCLAS
Command:EX
Display Goto Eol High Unhigh Search Usl Print Format Margin Td Exit [Alt-N]
```

TDP HELP SETUP 1

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\V6 EMMULATION.lnk

V6 Version 2003	Help Display	IDLE	IDLE	00/00:37:34

V6 OPERATION: Page 1

1) The REPEAT EDITOR program must be used to edit or create a file to transmit to a TDP. The file must be saved using the 'TDP' keyword where the ENTER MESSAGE RANGE prompt appears in the FILE command. Note that no special formatting is performed on the messages that are filed and that 4800 baud, ASCII format should be used in most cases. Filing in this fashion creates a special file with the extension '.NDX' which is required when a file is specified in the TDP program.

2) Once a file is prepared for transmit, a TDP should be physically connected to the repeat via the appropriate communications lines. The V6 program can be configured to communicate from any DCP port or any computer comm port. Pin 2 (transmit), pin 3 (receive) and pin 7(ground) designate the necessary communication pins.

Main Operation Page 2

Command:HELP

Cm Cp Cr Cx Da Dc Dr Ds Dx Help Quit Reset Rcv Shift Stop Time Vr Vx Xmit

TDP HELP SETUP 2

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\V6 EMMULATION.lnk

V6 Version 2003	Help Display	IDLE	IDLE	00/00:55:21

V6 OPERATION: Page 2

3) Invoke the V6 program by entering V6[enter] at the DOS prompt. The total frame counts in the Frame Transfer Status window should be increasing for proper V6 Operation. The Display Status (DS) screen displays the Frame Transfer Status window. Both the V6 and TDP Frame count will increment when Comm Ports and Modes are configured correctly.

4) Select a file to transmit using the CX command. Each of the parameters in the Cx command are discussed in more detail in the Cx help screen.

5) Set the system time using the Time command. The scheduled time of departure for each message is displayed in the Message Transfer Queue window. Use the DX command to view the message transmit times.

6) Transmit the file using the Xmit command. The file will have been completely transferred when the Status of the last message in the message transfer queue is no longer in the PEND state.

Main V6 Operation Operation Page 3

Command:HELP

Cm Cp Cr Cx Da Dc Dr Ds Dx Help Quit Reset Rcv Shift Stop Time Vr Vx Xmit

TDP HELP SETUP 3

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\V6 EMMULATION.lnk

V6 Version 2003	Help Display	IDLE	IDLE	00/00:56:09

V6 OPERATION: (Cont) Page 3

The V6 program will ignore and not send acknowledgments to all TDP transmit messages received from the TDP until the operator performs the following:

1) Enter the CR command.

2) Specify a file to hold incoming messages from the TDP.

3) If the attached TDP expects the target TDP to send ACK/NAK messages, select 'Y' in response to the 'Send ACK' prompt.

4) Enter [esc] to exit the CR command.

5) Enter the RC command to initiate the saving of TDP transmit messages.

Main Operation Page 2 V6 Operation

Command:HELP_

Cm Cp Cr Cx Da Dc Dr Ds Dx Help Quit Reset Rcv Shift Stop Time Ur Ux Xmit